

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
(Rev. 2-92) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 25207/9013

SERIAL NO.: 09/082,171

INFORMATION DISCLOSURE  
STATEMENT BY APPLICATION

APPLICANT: DeGregoria et al.

(Use several sheets if necessary)

FILING DATE: May 20, 1998

GROUP: 3743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ab</i>	3,047,272	7/31/62	E. J. Specca	257	264	2/21/58
<i>en</i>	4,685,944	8/11/87	Allan et al.	55	491	6/9/82
<i>ab</i>	4,688,626	8/25/87	Tengesdal	165	4	6/27/85

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>ab</i>	GB 895,463	5/2/62	GB	64	1	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


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DATE CONSIDERED

*C. D. H. H. H. H. H.*

*9/03*

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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE  
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ATTY. DOCKET NO.: 8455.13

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APPLICANT: Anthony J. DeGregoria and Thomas  
J. Kaminski

(Use several sheets if necessary)

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10971 U.S. PTO  
09/812972  
03/19/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Clo</i>	AA	2,931,189	4/5/60	Sigworth			
	AB	3,036,444	5/29/62	Cochran			
	AC	3,326,214	6/20/67	McCoy			
	AD	3,599,443	8/17/71	Paine			
	AE	3,978,912	9/7/76	Penny et al.			
	AF	4,049,404	9/20/77	Johnson			
	AG	4,391,321	7/5/83	Thunberg			
	AH	4,411,310	10/25/83	Perry et al.			
	AI	4,493,366	1/15/85	Ekman			
	AJ	4,512,392	4/23/85	van Ee et al.			
	AK	4,577,678	3/25/86	Fransenfeld et al.			

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<i>CP</i>	AL	4,589,476	5/20/86	Berner			
	AM	4,594,860	6/17/86	Coellner et al.			
	AN	4,665,805	5/19/87	Ekman			
	AO	4,688,626	8/25/87	Tengesdal			
	AP	4,733,718	3/29/88	Schikowsky et al.			
	AQ	4,744,409	5/17/88	Berner			
	AR	4,754,806	7/5/88	Astle, Jr.			
	AS	4,815,522	3/28/89	Thunberg			
	AT	4,817,708	4/4/89	Ono et al.			
	AU	4,875,520	10/24/89	Steele et al.			
	AV	4,952,283	8/28/90	Besik			

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OK	AW	5,002,116	3/26/91	Hoagland			
	AX	5,010,594	4/30/91	Suzuki et al.			
	AY	5,050,667	9/24/91	Berner et al.			
	AZ	5,273,106	12/28/93	Drake			
	BA	5,339,653	8/23/94	DeGregoria			
	BB	5,375,649	12/27/94	Nilsen et al.			
	BC	D376,842	12/24/96	Franklin et al.			
	BD	5,617,913	4/8/97	DeGregoria et al.			
	BE	4,685,944	8/11/87	Allen et al.			
	BF	4,629,482	6/16/86	Davis			
	BG	5,306,321	4/26/94	Osendorf			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
OK	BH	GB 1360064	7/17/74	Great Britian			
OK	BI	DE 3143088 A1	5/11/83	Federal Republic of Germany			✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OK	BJ	ASHRAE 62-1989 Standard of American Society of Heating, Refrigeration, and Air Conditioning Engineers Inc., Atlanta, GA (contents page, pp1, 3-26)(1989)					
	BK	"From concept to consumer, Columbus Industries is your single-source solution for custom filters." Columbus Industries, Inc., Ashville, OH (discloses High Efficiency Particulate Air (HEPA) filter) pp. 1-6					
	BL	"Lifebreath™ Central Ventilation Systems", Nutech Energy Systems, Inc., London Ontario, Canada (pp. 1-12)					
	BM	TherMax Energy Recycling Ventilation Systems, "Energy Recycling Ventilation Systems for Improved IAQ", Division of Kooltronic, Inc., Hopewill, New Jersey (34 pages of product information)					

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90	BN	Douglas Steege, Altech Energy New Aire™ Air-to-Air Heat Exchanger Ventilators, Madison, Wisconsin (1994) 12 pages (6 sheets)
	BO	Honeywell, "The 'Perfect Window' Energy Recovery Ventilator" Product Reference, Golden Valley, Minnesota 9/91 (51 sheets)
	BP	Reay, "Heat Recovery Systems A directory of equipment and techniques", E. & F. N. Spon, 1979, pp. 17-35
	BQ	Merrill, "Maintaining Your Home", Housing Specialist, University of Wisconsin-Extension - Cooperative Extension (1989) (pp 1-2 on 1 sheet)
	BR	"HRV700i" Venmar Ventilation, Inc. © 1995, Saskatchewan, Canada (pp 1-2 on 1 sheet)
	BS	"The Fresh Approach to Improved Air Quality" RAYDOT Incorporated, 10-92 10M TH, Cokato, Minnesota (pp 1-4)
	BT	"Indoor Air Quality-An Issue That Hits You Where You Live", Guardian™, Broan®, Hartford, Wisconsin, 1993 (pp. 1-12)
	BU	"Energy Recovery Wheel", CARNES® Company, Verona, Wisconsin, Catalog HW-01G, November 1989 (pp. 1-12)
	BV	"General Product Catalog", CARNES® Company, Verona, Wisconsin, Catalog CG-09K, June 1993 (pp. 1-20)
	BW	"Energy Recovery Ventilator", CARNES® Company, Verona, Wisconsin, Catalog HV-01E, September 1991 (pp. 1-14)
	BX	"Energy Recovery Wheel Systems", CARNES® Company, Verona, Wisconsin, Catalog HS-01E, April 1991 (pp. 1-28)
	BY	Merrill, "Is Home Ventilation a Luxury?", Housing Specialist, University of Wisconsin-Extension - Cooperative Extension (1 page)
	BZ	Indoor Air Pollution, An Introduction for Health Professionals (pp i, II)
	CA	"Indoor Air Update - 1996 Agenda", College of Agricultural and Life Sciences - University of Wisconsin-Madison (1 page)
	CB	"Indoor Air Quality" UW-Extension Family Living (pp 1-2 on 1 sheet)
	CC	"Indoor Air Quality Tools for Schools", IAQ Coordinator's Guide, (pp. ii-iv, 1-2)
	CD	Merrill et al., "Maintaining Your Home: Lead-Based Paint Hazards", Cooperative Extension Publications, Madison, Wisconsin, 1-9-95 (pp1-3 and resources sheet)
	CE	"Carbon Monoxide", Wisconsin Division of Health, January 1993 (3 sheets)
	CF	Chisholm, "Developments in Heat Exchanger Technology-1" <i>National Engineering Laboratory</i> , 1980 (pp. 233-257)
	CG	Walker, "Industrial heat exchangers a basic guide", Chemical Engineering, 1983 (pp. 311-321)

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CH	"40% Rise Reported in Asthma and Asthma Deaths", <i>New York Times</i> , 1/6/95 (1 page)
CI	"Heat Recovery Ventilation for Housing: Air-to-Air Heat Exchangers", National Center for Appropriate Technology, Butte, Montana, prior to March 1984 (pp. 1-32)
CJ	"Major Air Pollutants in the Home" University of Wisconsin-Extension, Cooperative Extension (3 pages on 2 sheets)
CK	Altech Energy (© 1988), New Aire™ Air-to-Air Heat Exchange Ventilators, Madison, Wisconsin (16 sheets)
CL	AIRXCHANGE, "Energy Recovery Ventilation", (Catalog) Rockland, Massachusetts, 1992 (41 sheets)
CM	N.F. Hodgkinson, "Alternatives to Halocarbons in Air Conditioning, Refrigeration and Fire Protection", <i>Australian Refrigeration, Air Conditioning and Heating</i> , July 1990 pp 42-43, 45, 47-48.
CN	American Lung Association, Washington, DC 20036, "Residential Air Cleaning Devices: Types Effectiveness and Health Impact" January 1997 pp. 1-52.
CO	Allergy Asthma Technology Ltd., Morton Grove, IL Nov. 1996, pp 8-9.
CP	Allergy Control Products, Inc., Ridgefield, CT (©1997) pp. 11, 12, 21.
CQ	"Test Performance of High Efficiency Particulate Air Filter Units" UL 586 Underwriters Laboratories, Inc., (1997) pp. 1-9.
CR	"Air Cleaning Systems and Indoor Air Quality: A Review", USA CERL TR FE--95/10 (1995) pp. 17-20, 24, 69-70.
CS	"Air Filters for Use at Nuclear Facilities" International Atomic Energy Agency, Vienna (IAEA) 1970, p. 16-42
CT	White and Smith "High Energy Air Filtration". 1964 Butterworth & Co. (Publishers) Ltd, London pp. 143-149.
CU	"Hygroster Filer HME for Respiratory System", Mallinckrodt Medica, St. Louis, MO, 1994, 2 sheets
CV	"Breathing System Filter with Flex Tube", BB 100 F PALL BIOMEDICAL, INC. Fajardo, PR. 2 sheets (date not known) and photo sheet.
CW	"Federal Standard Clean Room and Work Station Requirements, Controlled Environment" Fed. Std. No. 209B April 24, 1973, pp. 11 General Services Administration.
CX	High Efficiency Pleated and Mini-Pleated Air Filters; Columbus Industries, Inc., Ashville, OH (2 pgs)
CY	MIL-STD-282 Method 102.9.1 US Government Printing Office Washington, DC pp. 33-38 and Fig. 9 (28 May 1956).
CZ	ASHRAE Standard 52.1-1992 Gravimetric "Dust Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter", American Society of Heating Refrigerating and Air-Conditioning Engineers Inc., Atlanta, GA 1992. pp. 1-32.

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